

116TH CONGRESS
1ST SESSION

H. R. 4091

To amend the America COMPETES Act to reauthorize the ARPA–E program, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

JULY 30, 2019

Ms. JOHNSON of Texas (for herself and Mr. LAMB) introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To amend the America COMPETES Act to reauthorize the ARPA–E program, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “ARPA–E Reauthoriza-
5 tion Act of 2019”.

6 **SEC. 2. ARPA-E AMENDMENTS.**

7 (a) ESTABLISHMENT.—Section 5012(b) of the Amer-
8 ica COMPETES Act (42 U.S.C. 16538(b)) is amended
9 by striking “development of energy technologies” and in-
10 serting “development of transformative science and tech-

1 nology solutions to address the energy and environmental
2 missions of the Department”.

3 (b) GOALS.—Section 5012(c) of the America COM-
4 PETES Act (42 U.S.C. 16538(c)) is amended—

5 (1) by striking paragraph (1)(A) and inserting
6 the following:

7 “(A) to enhance the economic and energy
8 security of the United States through the devel-
9 opment of energy technologies that—

10 “(i) reduce imports of energy from
11 foreign sources;

12 “(ii) reduce energy-related emissions,
13 including greenhouse gases;

14 “(iii) improve the energy efficiency of
15 all economic sectors;

16 “(iv) provide transformative solutions
17 to improve the management, clean-up, and
18 disposal of radioactive waste and spent nu-
19 clear fuel; and

20 “(v) improve the resilience, reliability,
21 and security of infrastructure to produce,
22 deliver, and store energy; and”;

23 (2) in paragraph (2), in the matter preceding
24 subparagraph (A), by striking “energy technology

1 projects” and inserting “advanced technology
2 projects”.

3 (c) RESPONSIBILITIES.—Section 5012(e)(3)(A) of
4 the America COMPETES Act (42 U.S.C.
5 16538(e)(3)(A)) is amended by striking “energy”.

6 (d) REPORTS AND ROADMAPS.—Section 5012(h) of
7 the America COMPETES Act (42 U.S.C. 16538(h)) is
8 amended to read as follows:

9 “(h) REPORTS AND ROADMAPS.—

10 “(1) ANNUAL REPORT.—As part of the annual
11 budget request submitted for each fiscal year, the
12 Director shall provide to the relevant authorizing
13 and appropriations committees of Congress a report
14 describing—

15 “(A) projects supported by ARPA-E dur-
16 ing the previous fiscal year; and

17 “(B) current, proposed, and planned
18 projects to be carried out pursuant to sub-
19 section (e)(3)(D).

20 “(2) STRATEGIC VISION ROADMAP.—Not later
21 than October 1, 2021, and every four years there-
22 after, the Director shall provide to the relevant au-
23 thorizing and appropriations committees of Congress
24 a roadmap describing the strategic vision that
25 ARPA-E will use to guide the choices of ARPA-E

1 for future technology investments over the following
2 4 fiscal years.”.

3 (e) EVALUATION.—Section 5012(l) of the America
4 COMPETES Act (42 U.S.C. 16538(l)) is amended—

5 (1) by striking paragraph (1) and inserting the
6 following:

7 “(1) IN GENERAL.—Not later than 3 years
8 after the date of enactment of the ARPA–E Reau-
9 thorization Act of 2019, the Secretary is authorized
10 to enter into a contract with the National Academy
11 of Sciences under which the National Academy shall
12 conduct an evaluation of how well ARPA–E is
13 achieving the goals and mission of ARPA–E.”; and

14 (2) in paragraph (2)—

15 (A) in the matter preceding subparagraph
16 (A), by striking “shall” and inserting “may”;
17 and

18 (B) in subparagraph (A), by striking “the
19 recommendation of the National Academy of
20 Sciences” and inserting “a recommendation”.

21 (f) AUTHORIZATION OF APPROPRIATIONS.—Para-
22 graph (2) of section 5012(o) of the America COMPETES
23 Act (42 U.S.C. 16538(o)) is amended to read as follows:

24 “(2) AUTHORIZATION OF APPROPRIATIONS.—
25 Subject to paragraph (4), there are authorized to be

1 appropriated to the Director for deposit in the
2 Fund, without fiscal year limitation—

3 “(A) \$428,000,000 for fiscal year 2020;

4 “(B) \$550,000,000 for fiscal year 2021;

5 “(C) \$675,000,000 for fiscal year 2022;

6 “(D) \$825,000,000 for fiscal year 2023;

7 and

8 “(E) \$1,000,000,000 for fiscal year
9 2024.”.

10 (g) TECHNICAL AMENDMENTS.—Section 5012 of the
11 America COMPETES Act (42 U.S.C. 16538) is amend-
12 ed—

13 (1) in subsection (g)(3)(A)(iii), by striking
14 “subpart” each place it appears and inserting “sub-
15 paragraph”; and

16 (2) in subsection (o)(4)(B), by striking
17 “(c)(2)(D)” and inserting “(c)(2)(C)”.

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